

9

SWALLOW.
AN
ALMANACK
for the year of our
LORD GOD
1661.

Being the first after Bissextile
or Leap year:

And from the Worlds Creation
5664.

Calculated properly for the Meridian of
the *Univerſitie* and *Town* of
CAMBRIDGE:

Where the Pole is elevated 52 degrees and
17 minutes above the Horizon.

CAMBRIDGE:
Printed by *John Field*, Printer to the
Univerſity. 1661.

Swallow 1661.

The Golden Number this year is
The Cycle of the Sun 18. The Epact

9

9

This year is also from

| | |
|---|------|
| Creation of the World | 5664 |
| Flood of Noah | 4009 |
| Coming of the Israelites from Egypt | 3156 |
| Building of London | 2768 |
| Building of York | 2649 |
| Building of Rome | 2413 |
| Burning of the Temple by Nebuchadnezzar | 2248 |
| Building of Cambridge | 1961 |
| Baptisme of Christ | 1635 |
| Death of Christ | 1631 |
| Destruction of Jerusalem by Titus | 1591 |
| Cambridge made an Universitie | 1024 |
| Conquest of England by Duke William | 595 |



The Anatomie of Mans body as the parts thereof
are governed by the twelve Signes.

✓ Head and face.

♊ Neck and throat.

♋ Breast stomach and ribs.

♌ Bowels and belly.

♍ Secret members.

♎ Knees.



♊ Arms and shoulders.

♋ Heart and back.

♌ Reins and loyns.

♍ Thighes.

♎ Legs.

♏ The feet.

Swallow 1661.

Of the Eclipses this year.

Of four Eclipses, there will be but two of them visible in our Hemisphere: the first whereof is of the Sun, the other of the Moon. For (if clouds hinder not) two such may be seen in our Horizon this year 1661.

The first of the Sun will be on Wednesday, the twentieth day of March, in the forenoon. It beginneth at 34 minutes past eight in the morning: is at its greatest darkness by 37 minutes past nine; and by 42 minutes past ten, it will be fully ended: So that the whole time, from first to last, is two hours and eight minutes; and the parts or digits eclipsed, are seven and ten minutes. It is in Aries, the day-house of Mars, in the tenth degree and fourteen minutes of which signe, this Eclipse happens.

The other (being an Eclipse of the Moon) will be on Saturday the 28 of September. It beginneth at 42 minutes past one in the morning: is at the greatest darkness about three; and endeth 16 minutes past four: So that the whole time of this Eclipse is two hours and thirty four minutes; and the digits or parts eclipsed, are 6 and 55 minutes, with 59 seconds more. It is in the fifteenth degree and eight minutes of Aries: and thereupon not fully five degrees from the place in which the Sun was in March at the time of his Eclipse. Saturn hath his fall in Aries, and Venus her detriment: but the Eclipse is in the Term of Mercury, and face of Sol; and at the time of the greatest darkness the 9 degree of Virgo will be in the East ascending and the Moon eclipsed in the 8 house of the Heavens, which is by Astrologers called the house of Death. But I predict nothing: onely let the Poet speak; he will tell you.

*Felices animæ hæc quibus cognoscere primum,
Inque domo saperet scandere curasuit.*

A

Swallow 1661.

A plain and easie Table shewing the
true interest due upon any summe of money,
from five shillings to an hundred pounds for a year
or under, after the rate of six pounds
in the hundred.

| | 1 Mon. | 2 Mon. | 3 Mon. | 4 Mon. | A year. |
|-----|-----------|-----------|-----------|-----------|-----------|
| | sh. p. q. | sh. p. q. | sh. p. q. | sh. p. q. | sh. p. q. |
| 5 | 0 0 1 | 0 0 3 | 0 1 3 | 0 2 2 | 0 3 2 |
| 10 | 0 0 2 | 0 1 3 | 0 3 2 | 0 5 2 | 0 7 0 |
| 15 | 0 0 3 | 0 2 2 | 0 5 1 | 0 8 0 | 0 10 2 |
| 1 | 0 1 0 | 0 3 2 | 0 7 0 | 0 10 2 | 1 2 1 |
| 2 | 0 2 1 | 0 7 0 | 1 2 1 | 1 9 1 | 2 4 2 |
| 3 | 0 3 2 | 0 10 2 | 1 9 1 | 2 7 3 | 3 6 3 |
| 4 | 0 4 3 | 1 2 1 | 2 4 2 | 3 6 3 | 4 9 0 |
| 5 | 0 6 0 | 1 6 0 | 3 0 0 | 4 6 0 | 6 0 0 |
| 6 | 0 7 0 | 1 9 2 | 3 7 0 | 5 4 2 | 7 2 1 |
| 7 | 0 8 1 | 2 1 0 | 4 2 1 | 6 3 1 | 8 4 2 |
| 8 | 0 9 2 | 2 4 2 | 5 1 7 | 7 1 3 | 9 6 3 |
| 9 | 0 10 3 | 2 8 1 | 5 4 2 | 8 0 3 | 10 9 0 |
| 10 | 0 1 0 | 3 0 0 | 6 0 0 | 9 0 0 | 12 0 0 |
| 20 | 0 2 0 | 6 0 0 | 12 0 0 | 18 0 1 | 4 0 0 |
| 30 | 0 3 0 | 9 0 0 | 18 0 1 | 7 0 1 | 16 0 0 |
| 40 | 0 4 0 | 12 0 1 | 4 0 1 | 16 0 2 | 8 0 0 |
| 50 | 0 5 0 | 15 0 1 | 10 0 2 | 5 0 3 | 0 0 0 |
| 60 | 0 6 0 | 18 0 1 | 16 0 2 | 14 0 3 | 12 0 0 |
| 70 | 0 7 0 | 1 0 2 | 2 0 3 | 3 0 4 | 4 0 0 |
| 80 | 0 8 0 | 4 0 2 | 8 0 3 | 12 0 4 | 16 0 0 |
| 90 | 0 9 0 | 7 0 2 | 14 0 4 | 1 0 5 | 8 0 0 |
| 100 | 0 10 0 | 10 0 3 | 0 0 4 | 10 0 6 | 0 0 0 |

January

January hath xxxi days.

Full moon the 5 day, 30 min. past 9 in the morn.

Last quart. the 13 day, 56 min. past 2 after noon.

New moon the 20 day, 34 min. past 2 after noon.

First quarter the 27 day, at 7 in the morn.

Expect many storms of wind & rain or snow this moneth.

| | | | | | | | | |
|----|---|----------------|---|-----|----------|--------|-------|-------------------|
| 1 | a | New years day | 8 | Sun | 5 | Gem. 6 | * ☉ h | Rain or |
| 2 | b | Abel | 8 | 4 | 19 | | | snow, with wind. |
| 3 | c | Enoch | 8 | 3 | Quinc. 2 | ♂ ♂ ☾ | | |
| 4 | d | Elestphorus | 8 | 1 | 14 | | | Cold freezing |
| 5 | e | Simcon | 8 | 0 | 27 | | | weather. |
| 6 | f | Twelfth day | 7 | 58 | Leo 9 | | | Thick air. |
| 7 | g | Justina | 7 | 57 | 21 | | | Snowy storm. |
| 8 | a | Erhardus | 7 | 56 | Virg. 3 | ☾ apog | | |
| 9 | b | Sun in Aquar. | 7 | 55 | 14 | ☐ ☾ ♀ | | Frosty |
| 10 | c | Paul erem. | 7 | 53 | 26 | | | and clear. |
| 11 | d | Begins | 7 | 52 | Libra 8 | | | Some wind. |
| 12 | e | Satyrus | 7 | 51 | 20 | * ♀ ☾ | | |
| 13 | f | 1 after Epiph. | 7 | 49 | Scorp. 2 | | | Renaisson of |
| 14 | g | Felix | 7 | 48 | 15 | | | cold. |
| 15 | a | Maurus | 7 | 46 | 28 | | | Various and |
| 16 | b | Marcellus | 7 | 45 | Sag. 11 | | | milde. |
| 17 | c | Antonius | 7 | 44 | 25 | | | Rain and |
| 18 | d | Piscia | 7 | 43 | Capr. 9 | | | wind. |
| 19 | e | Pontianus | 7 | 41 | 24 | * h ☾ | | |
| 20 | f | 2 after Epiph. | 7 | 40 | Aquar. 9 | | | Very Δ ♀ ☾ |
| 21 | g | Octab. Hilar. | 7 | 39 | 29 | | | cold, and like to |
| 22 | a | Vincent | 7 | 37 | Pisc. 10 | | | snow, and freez. |
| 23 | b | Term begins | 7 | 35 | 24 | | | Fair and clear. |
| 24 | c | Timothy | 7 | 33 | Arjes 9 | | | Rain-like. |
| 25 | d | S. Pauls day | 7 | 31 | 23 | | | Some wind. |
| 26 | e | Poliscarpus | 7 | 29 | Taur. 7 | | | Hail * h ♂ |
| 27 | f | 3 after Epiph. | 7 | 27 | 20 | | | Wind * h ♀ |
| 28 | g | Quind. Hilar. | 7 | 25 | Gem. 4 | | | and storms of |
| 29 | a | Samuel | 7 | 23 | 16 | | | rain or snow. |
| 30 | b | Delgund | 7 | 21 | 29 | | | h 23 35 m |
| 31 | c | Cyprianus | 7 | 19 | Carc. 11 | | | Fairer weathgr. |

February hath xxviii days.

Full moon the 4 day, 30 min past 4 in the morn.

Last quarter the 12 day, 44 min. past 6 in the morn.

New moon the 19 day, 34 min. before 1 in the morning

First quarter the 25 day, 19 min. past 8 at night.

| | | | | | | | |
|----|---|----------------|---|----|--------|----|-----------------|
| 1 | d | Epiphany | 7 | 14 | Canc. | 24 | Snow and cold |
| 2 | e | Purif. of Mary | 7 | 12 | Leo | 6 | wind. |
| 3 | f | 4 after Epiph. | 7 | 10 | | 17 | * ♃ ☾ |
| 4 | g | Cra. Purif. | 7 | 8 | | 29 | Flat Aquilo and |
| 5 | a | Agatha | 7 | 6 | Virg. | 11 | is cold. |
| 6 | b | Dozotha | 7 | 4 | | 23 | Misling clouds. |
| 7 | c | Ingling | 7 | 2 | Libra | 5 | Δ ☾ ♀ |
| 8 | d | Sun in Pisces | 7 | 0 | | 17 | White clouds. |
| 9 | e | Apollonia | 6 | 58 | | 29 | ☐ ♀ ☾ Rain |
| 10 | f | Septuagesima | 6 | 56 | Scorp. | 11 | and very windy. |
| 11 | g | Euphrosia | 6 | 54 | | 24 | Much like. |
| 12 | a | Term ends | 6 | 52 | Sag. | 7 | * ♂ ☾ A little |
| 13 | b | Wolfran | 6 | 50 | | 20 | milder. |
| 14 | c | Valentine m. | 6 | 48 | Capr. | 4 | Cloudy skie. |
| 15 | d | Faustine | 6 | 46 | | 18 | Fair a while. |
| 16 | e | Juliana | 6 | 44 | Aquar. | 3 | ♂ ♀ ☾ Rain |
| 17 | f | Sexagesima | 6 | 42 | | 18 | or snow, with |
| 18 | g | Concordia | 6 | 40 | Pisces | 3 | cold winds and |
| 19 | a | Simeon | 6 | 38 | | 18 | blasts. Δ ☾ ☾ |
| 20 | b | Mildred | 6 | 36 | Aries | 3 | Freezing and |
| 21 | c | 79 Martyrs | 6 | 34 | | 18 | fair. * ♂ ☾ |
| 22 | d | Cath. Pet. | 6 | 32 | Taur. | 2 | * ♀ ☾ |
| 23 | e | Pellicarpus | 6 | 30 | | 16 | Wind and wet. |
| 24 | f | Shrove-tun. & | 6 | 28 | Gem. | 0 | Cloudy. ♂ ☾ ☾ |
| 25 | g | Matthias Ap. | 6 | 26 | | 13 | Much rain or |
| 26 | a | Pestor | 6 | 24 | | 26 | snow with wind |
| 27 | b | Ashwednesday | 6 | 22 | Canc. | 8 | and some hail. |
| 28 | c | Macarius | 6 | 20 | | 20 | Δ ☾ ☾ cool. |

March hath xxxi days.

Full moon the 5 day, about 11 at night.

Last quarter the 13 day, 27 min. past 6 at night.

New moon 20 day, 44 min. past 9 before noon.

First quarter the 27 day, 22 min. past 11 before noon.

| | | | | | | | |
|----|---|------------------|---|----|--------|----|----------------|
| 1 | d | David | 6 | 18 | Leo | 3 | Cool weather |
| 2 | e | Simplicius | 6 | 16 | | 14 | * ♃ ☾ |
| 3 | f | Quadragesima | 6 | 14 | | 26 | Snow or very |
| 4 | g | Doctan | 6 | 12 | Virgo | 8 | cold rain. |
| 5 | a | Eusebius | 6 | 10 | | 20 | Wind and |
| 6 | b | Fridelme | 6 | 8 | Libra | 2 | hail. |
| 7 | c | Perpetua | 6 | 6 | | 14 | ♂ ♃ ☾ |
| 8 | d | Cyprian | 6 | 4 | | 26 | Great winds. |
| 9 | e | 40 Martyrs | 6 | 2 | Scorp. | 8 | SS ♀ ♀ Wetting |
| 10 | f | Sun in Aries | 6 | 0 | | 21 | clouds. |
| 11 | g | Canibert | 5 | 58 | Sag. | 2 | Temperate and |
| 12 | a | Gregory | 5 | 56 | | 16 | good. |
| 13 | b | Theodoze | 5 | 54 | Capr. | 0 | ♂ ♃ ♀ But now |
| 14 | c | Leo | 5 | 52 | | 13 | very windy. |
| 15 | d | Longinus | 5 | 50 | | 27 | Fair and |
| 16 | e | Cyprian | 5 | 48 | Aqua. | 12 | good. |
| 17 | f | 1 fund. in lent. | 5 | 46 | | 26 | ♂ ♂ ☾ Warm |
| 18 | g | Gabriel | 5 | 44 | Pisc. | 11 | but moist and |
| 19 | a | Joseph husb. M | 5 | 42 | | 26 | windy. |
| 20 | b | Sun eclipsed. | 5 | 40 | Arles | 11 | Vc ♄ ♀ |
| 21 | c | Benedict | 5 | 38 | | 26 | More wind. |
| 22 | d | Danilinus | 5 | 36 | Taur. | 11 | Milder. |
| 23 | e | Theodoze | 5 | 34 | | 25 | Cloudy morn. |
| 24 | f | Midlent fund. | 5 | 32 | Gem. | 8 | Temperate. |
| 25 | g | Lady day | 5 | 30 | | 22 | Rain ☐ ♀ ☾ |
| 26 | a | Castulus | 5 | 29 | Canc. | 5 | △ ♄ ♀ Cool |
| 27 | b | Martian | 5 | 27 | | 17 | and misting. |
| 28 | c | Gideon | 5 | 25 | | 29 | △ ♀ ☾ |
| 29 | d | Enstachius | 5 | 23 | Leo | 11 | South winds |
| 30 | e | Enido | 5 | 21 | | 23 | but cold. |
| 31 | f | 5 fund. in lent. | 5 | 19 | Virg. | 5 | Fair △ ♀ ☾ |

April hath xxx days.

Full moon the 4 day, 43 min. past 3. after noon.

Last quarter the 12 day, 37 min. past 2 in the morn.

New moon 18 day, at 7 after noon.

First quarter the 26 day, 2 minutes past 4 in the morn.

| | | | | | | | |
|----|---|----------------|---|----|--------|----|------------------|
| 1 | g | Theodoz | 5 | 16 | Virg. | 17 | Cool morning |
| 2 | a | Sary Egypt | 5 | 14 | | 29 | Wind and wet. |
| 3 | b | Richard bish. | 5 | 12 | Libra | 11 | Fairer. |
| 4 | c | Embrose bish. | 5 | 10 | | 23 | Sleets. * ♂ ♀ |
| 5 | d | Vincent | 5 | 8 | Scorp. | 5 | A little warmer. |
| 6 | e | Syrus | 5 | 6 | | 18 | Cloudy, moist, |
| 7 | f | Palm Sunday | 5 | 4 | Sag. | 0 | and cool. |
| 8 | g | Dionysus | 5 | 2 | | 13 | More warm |
| 9 | a | Elbicus | 5 | 0 | | 27 | and good spring- |
| 10 | b | Sun in Taurus | 4 | 58 | Capr. | 10 | ing weather. |
| 11 | c | Leo | 4 | 56 | | 24 | |
| 12 | d | Julius | 4 | 54 | Aquar. | 7 | * ♀ ☾ |
| 13 | e | Justinus | 4 | 52 | | 21 | Some morning |
| 14 | f | Easter day | 4 | 50 | Pisces | 6 | frosts. * ☉ ☾ |
| 15 | g | Olympia | 4 | 48 | | 20 | Warm moist and |
| 16 | a | Frenaus | 4 | 46 | Aries | 5 | good. ♂ ♀ ☾ |
| 17 | b | Enicete | 4 | 45 | | 20 | Thunder-like. |
| 18 | c | Valerius | 4 | 43 | Taur. | 4 | ♂ ☉ ☾ |
| 19 | d | Timotheus | 4 | 42 | | 19 | Cool nights. |
| 20 | e | Wicr bish. | 4 | 40 | Gem. | 3 | Fair and very |
| 21 | f | Low Sunday | 4 | 38 | | 16 | good. |
| 22 | g | Octab. Pasch. | 4 | 37 | Canc. | 0 | Some showers. |
| 23 | a | George mart. | 4 | 35 | | 13 | Wind. * ☉ ☾ |
| 24 | b | Adelborg | 4 | 34 | | 25 | Rain at night. |
| 25 | c | Mark Evang. | 4 | 32 | Leo | 8 | Some wind. |
| 26 | d | Cletus | 4 | 30 | | 20 | ☐ ♀ ☾ |
| 27 | e | Nassatius | 4 | 28 | Virg. | 1 | △ ♀ ☾ Hot |
| 28 | f | 2 after Easter | 4 | 27 | | 13 | weather, but |
| 29 | g | Quind. Pasch | 4 | 25 | | 25 | windy. * ♀ ☾ |
| 30 | a | Erkenwald | 4 | 24 | Libra | 7 | Overcast & cool |

May hath xxxi days.

Full moon the 4 day, 49 min. past 5 in the morn.

Last quarter 11 day, 32 m. past 8 in the morning.

New moon the 18 day, past 4 in the morning.

First quarter the 25 day, 38 min. past 9 at night. Thund

| | | | | | | | |
|----|---|----------------|---|----|--------|----|------------------|
| 1 | b | Term begins | 4 | 22 | Libra | 19 | A cold beginning |
| 2 | c | Stphanus | 4 | 21 | Scorp. | 1 | SS ♂ ♀ Wind |
| 3 | d | Invent. Cruc. | 4 | 19 | | 14 | and showers. |
| 4 | e | Florianus | 4 | 17 | | 27 | Cool and cloudy. |
| 5 | f | 3 aft. Easter | 4 | 16 | Sag. | 10 | This week look |
| 6 | g | Tres Pasch. | 4 | 14 | | 23 | for better wea- |
| 7 | a | Jubenal | 4 | 13 | Capr. | 7 | ther. |
| 8 | b | Stanislaus | 4 | 11 | | 20 | * ♀ ☾ |
| 9 | c | Nicholas | 4 | 9 | Aqua. | 4 | Δ ♀ ☾ |
| 10 | d | Pancrace | 4 | 7 | | 18 | Rain or thunder. |
| 11 | e | Sun in Gem. | 4 | 6 | Pisc. | 2 | ☐ ☉ ☾ |
| 12 | f | 4 after Easter | 4 | 5 | | 16 | Moist and cool. |
| 13 | g | Mons Pasch. | 4 | 4 | Aries | 0 | Fair and good. |
| 14 | a | Fortunatus | 4 | 2 | | 15 | Thunder-like. |
| 15 | b | Sophia | 4 | 1 | | 29 | ♀ near Pleiades. |
| 16 | c | Delgune | 4 | 0 | Taur. | 13 | A cloudy |
| 17 | d | Isidocus | 3 | 59 | | 27 | moist air. |
| 18 | e | Potentia | 3 | 58 | Gem. | 11 | ♂ ☉ ☾ |
| 19 | f | Rogation sund | 3 | 57 | | 24 | * ♂ ☾ |
| 20 | g | Quinq. Pasch. | 3 | 56 | Canc. | 8 | Temp. ☐ ♀ ☾ |
| 21 | a | Prudentius | 3 | 55 | | 21 | ☐ ♂ ☾ Thund. |
| 22 | b | Juliana | 3 | 54 | Leo | 3 | * ♀ ☾ Fair |
| 23 | c | Ascension day | 3 | 53 | | 15 | Wind and some |
| 24 | d | Craft. Ascen. | 3 | 52 | | 27 | wet. |
| 25 | e | Urbanus | 3 | 51 | Virg. | 9 | Thunder or rain. |
| 26 | f | 6 after Easter | 3 | 50 | | 21 | Fine temperate |
| 27 | g | Term ends | 3 | 49 | Libra | 3 | weather. |
| 28 | a | Wilhelmus | 3 | 48 | | 15 | Δ ☉ ☾ |
| 29 | b | Coronis mar | 3 | 48 | | 27 | A various and |
| 30 | c | Wigandus | 3 | 47 | Scorp. | 9 | obscure skie to |
| 31 | d | Petronella | 3 | 47 | | 21 | the months end. |

June hath xxx days.

Full moon the 2 day, 9 min. past 5 after noon.

Last quarter the 9 day, 33 min. past 1 after noon.

New moon the 16 day, 15 min. past 3 after noon.

First quarter the 24 day, 8 min. past 3 after noon.

| | | | | | | | |
|----|---|---------------|---|----|--------|----|---------------------|
| 1 | e | Nichodemus | 3 | 46 | Sagit. | 5 | * 4 C Fair and |
| 2 | f | Whitunday | 3 | 46 | | 19 | good. 8 ♀ C |
| 3 | g | Crasimus | 3 | 45 | Capr. | 2 | Some winde. |
| 4 | a | Quirinus | 3 | 45 | | 16 | Cool * h C |
| 5 | b | Boniface | 3 | 44 | Aquar. | 0 | * 4 C Clear |
| 6 | c | Claudian | 3 | 44 | | 15 | weather, and |
| 7 | d | Wolstane | 3 | 44 | | 29 | hor. * ♂ C |
| 8 | e | Medard | 3 | 43 | Pisces | 13 | Δ h C |
| 9 | f | Trinity sund. | 3 | 43 | | 27 | Rain like. |
| 10 | g | Onuphrius | 3 | 43 | Aries | 11 | * ♀ C Fair |
| 11 | a | Sun in Cancer | 3 | 43 | | 25 | and good all this |
| 12 | b | Basit Conf. | 3 | 43 | Taur. | 7 | week. ♂ ♂ C |
| 13 | c | Felicula | 3 | 43 | | 23 | ♂ h C |
| 14 | d | Term begins | 3 | 43 | Gem. | 6 | Δ 4 C |
| 15 | e | Titus | 3 | 44 | | 20 | B q. 4 C |
| 16 | f | 1 after Trin. | 3 | 44 | Canc. | 3 | Thunder, winde, |
| 17 | g | Octab. Trin. | 3 | 45 | | 16 | and very stormy |
| 18 | a | Marcellian | 3 | 45 | | 29 | this week: chiefly |
| 19 | b | Gervase | 3 | 46 | Leo | 11 | the 16, 18, 19, 20, |
| 20 | c | Sylverius | 3 | 46 | | 23 | and 21 days. |
| 21 | d | Albane | 3 | 47 | Virg. | 5 | * ♀ C |
| 22 | e | Sehatius | 3 | 47 | | 17 | Δ ♂ C |
| 23 | f | 2 after Trin. | 3 | 48 | | 29 | A fair day, but |
| 24 | g | John Baptist | 3 | 48 | Libra | 11 | storms with some |
| 25 | a | Eligius | 3 | 49 | | 23 | thunder and hail |
| 26 | b | John & Paul | 3 | 49 | Scorp. | 5 | quickly after. |
| 27 | c | 7 Sleepers | 3 | 50 | | 17 | Thunder or hea. |
| 28 | d | Leo bish. | 3 | 50 | Sagit | 0 | * 4 C |
| 29 | e | Peter Apostle | 3 | 51 | | 13 | Cooler Δ h ○ |
| 30 | f | 3 after Trin. | 3 | 52 | | 27 | then before. |

July hath xxxi days.

Full moon the 2 day, 21 min. past 2 in the morning.

Last quarter the 8 day, 54 min. past 6 at night.

New moon the 16 day, 37 min. past 3 in the morning.

First quarter the 24 day, 32 min. past 7 in the morning.

Full moon the last day, 28 min. past 10 before noon.

| | | | | | | |
|----|---|---------------|---|----|----------|-----------------|
| 1 | g | Theobald | 3 | 53 | Capr. 11 | Fair. * h C |
| 2 | a | Vibr. Mary | 3 | 54 | 25 | Thund. & rain. |
| 3 | b | Term ends. | 3 | 55 | Aqua. 10 | □ h C |
| 4 | c | Wileus | 3 | 56 | 24 | Heat. □ δ C |
| 5 | d | Anselme | 3 | 57 | Pisces 9 | Clear and |
| 6 | e | Cyrill | 3 | 58 | 21 | calm. |
| 7 | f | 4 after Trin. | 3 | 59 | Aries 8 | Wind and like |
| 8 | g | Chilian | 4 | 0 | 22 | to thunder. |
| 9 | a | Cyril | 4 | 1 | Taur. 6 | * ○ δ Very |
| 10 | b | 7 Brethren | 4 | 3 | 19 | hot and fair |
| 11 | c | Plus | 4 | 4 | Gem. 3 | for many days |
| 12 | d | Henricus | 4 | 6 | 16 | together. |
| 13 | e | Sun in Leo | 4 | 7 | 29 | |
| 14 | f | 8 after Trin. | 4 | 8 | Canc. 11 | □ ♃ C |
| 15 | g | Swithin | 4 | 10 | 25 | * ♃ ♀ |
| 16 | a | Osmond | 4 | 11 | Leo 7 | * ♃ C |
| 17 | b | Alexius | 4 | 13 | 19 | □ h C |
| 18 | c | Roſina | 4 | 15 | Virg. 2 | □ δ C |
| 19 | d | Dog days beg. | 4 | 16 | 14 | * h C |
| 20 | e | Margaret | 4 | 18 | 25 | Hot weather. |
| 21 | f | 6 after Trin. | 4 | 19 | Libra 7 | ♄ ♃ C |
| 22 | g | Mary Mag. | 4 | 21 | 19 | Thunder very |
| 23 | a | Spollin | 4 | 22 | Scorp. 1 | often in one |
| 24 | b | Chistin | 4 | 24 | 13 | place or other |
| 25 | c | James Apost. | 4 | 26 | 25 | this week by |
| 26 | d | Anne | 4 | 27 | Sagit. 8 | reason of heat. |
| 27 | e | Martha | 4 | 29 | 21 | △ ♀ C |
| 28 | f | 7 after Trin. | 4 | 30 | Capr. 5 | □ ♃ C |
| 29 | g | Beatrice | 4 | 32 | 19 | △ ♃ δ |
| 30 | a | Edon | 4 | 34 | Aquar. 4 | An obscure |
| 31 | b | Germane | 4 | 36 | 18 | close air. |

August hath xxxi days.

Last quarter the 7 day, 49 minutes past 1 in the morning.

New moon the 14 day, 12 minutes past 6 at night.

First quarter the 22 day, about 10 at night.

Full moon the 29 day, 26 min. past 6 at night.

| | | | | | | | |
|----|---|----------------|---|----|--------|----|-------------------|
| 1 | e | Lammas day | 4 | 37 | Pisces | 5 | Rain-like. |
| 2 | d | Moses | 4 | 39 | | 18 | * h C Some. |
| 3 | e | Dominicus | 4 | 41 | Aries | 3 | thing turbid. |
| 4 | f | 8 after Trin. | 4 | 43 | | 18 | Good Δ O C |
| 5 | g | Oswardus | 4 | 44 | Taur. | 2 | weather. |
| 6 | a | Sixtus | 4 | 46 | | 16 | Cool and cloudy. |
| 7 | b | Ulricus | 4 | 48 | Gem. | 0 | ☿ O C |
| 8 | c | Cyprianus | 4 | 50 | | 13 | Hot weather. |
| 9 | d | Romanus | 4 | 52 | | 26 | Very windy. |
| 10 | e | Lawrence | 4 | 54 | Canc. | 9 | Fair and good |
| 11 | f | 9 after Trin. | 4 | 56 | | 21 | for many |
| 12 | g | Clare | 4 | 58 | Leo | 4 | days. |
| 13 | a | Sun in virgo | 5 | 0 | | 16 | * ♂ C |
| 14 | b | Enschins | 5 | 2 | | 28 | ♂ O C |
| 15 | c | Assumpt. Mary | 5 | 4 | Virg. | 10 | ☾ apog. |
| 16 | d | Rochus | 5 | 6 | | 22 | About this time |
| 17 | e | Hamance | 5 | 8 | Libra | 4 | thunder and hail. |
| 18 | f | 10 after Trin. | 5 | 10 | | 16 | Fair and good. |
| 19 | g | Sebalus | 5 | 12 | | 27 | Wind and wet. |
| 20 | a | Bernhard | 5 | 14 | Scorp. | 9 | * O C |
| 21 | b | Cypriaca | 5 | 16 | | 21 | Misty * ♀ C |
| 22 | c | Symphorian | 5 | 19 | Sagit. | 4 | Showers are |
| 23 | d | Zachens | 5 | 21 | | 17 | threatned, if not |
| 24 | e | Bartholmew | 5 | 23 | Capr. | 0 | thunder also. |
| 25 | f | 11 after Trin | 5 | 25 | | 13 | * h C |
| 26 | g | Ireneus | 5 | 27 | | 27 | Some wind. |
| 27 | a | Dog days end. | 5 | 29 | Aqua. | 12 | Temperate. |
| 28 | b | Augustine | 5 | 30 | | 27 | Δ ♂ C Windy |
| 29 | c | Decol. J. B. | 5 | 31 | Pisc. | 12 | weather. |
| 30 | d | Felix Presb. | 5 | 33 | | 27 | Hot enough. |
| 31 | e | Paulinus | 5 | 35 | Aries | 12 | Temperate. |

September hath xxx days.

Last quarter the 5 day, 10 minutes past 11 before noon.

New moon the 13 day, 57 min. past 10 before noon.

First quarter the 21 day, 25 minutes past 10 before noon.

Full moon the 28 day, 5 min. past 3 in the morning.

This full moon will be eclipsed.

| | | | | | | | |
|----|---|----------------|---|----|--------|----|------------------|
| 1 | f | 12 after Trin. | 5 | 37 | Aries | 27 | Temperate. |
| 2 | g | Arconica | 5 | 39 | Taur. | 11 | △ ♀ ☾ Wind |
| 3 | a | Serapia | 5 | 40 | | 26 | and wet. |
| 4 | b | Theodosia | 5 | 42 | Gem. | 9 | △ ♀ ☾ |
| 5 | c | Zacharias | 5 | 44 | | 23 | △ ♀ ☾ |
| 6 | d | Wagnus | 5 | 46 | Canc. | 6 | ♂ ♂ ☾ |
| 7 | e | Regina | 5 | 48 | | 18 | △ h ☾ |
| 8 | f | 13 after Tris. | 5 | 50 | Leo | 1 | Cool. |
| 9 | g | Gorgonius | 5 | 52 | | 13 | * ♀ ☾ |
| 10 | a | Hilarius | 5 | 54 | | 25 | ♂ ♀ ♀ Moist |
| 11 | b | Felix | 5 | 56 | Virg. | 7 | weather. |
| 12 | c | Budon | 5 | 58 | | 19 | * h ☾ |
| 13 | d | Sun in Libra | 6 | 0 | Libra | 1 | Temperate. |
| 14 | e | Holy rood. | 6 | 2 | | 13 | ☐ ♂ ☾ |
| 15 | f | 14 after Trin | 6 | 4 | | 24 | ♂ ♀ ☾ Wet |
| 16 | g | Euphemia | 6 | 6 | Scorp. | 6 | and windy △ ♂ ☾ |
| 17 | a | Lampert | 6 | 8 | | 18 | weather. |
| 18 | b | Fercolus | 6 | 11 | Sag. | 1 | * ☉ ☾ |
| 19 | c | Januarius | 6 | 13 | | 13 | Cold wind. |
| 20 | d | Faula | 6 | 15 | | 26 | * ♀ ☾ |
| 21 | e | Matthew Ap. | 6 | 18 | Capr. | 9 | ♂ ♂ ☾ |
| 22 | f | 15 after Trin. | 6 | 20 | | 22 | ☐ ♀ ☾ |
| 23 | g | Esdras | 6 | 22 | Aqua. | 6 | Wind and wet. |
| 24 | a | Samuel | 6 | 24 | | 20 | Cold rain. |
| 25 | b | ♀ 7 21 m | 6 | 26 | Pisc. | 5 | △ ♀ ☾ |
| 26 | c | Cyprian | 6 | 28 | | 20 | △ h ☾ |
| 27 | d | Col. & Dam. | 6 | 30 | Aries | 5 | ♂ ♀ ☾ Wind |
| 28 | e | Wenceslaus | 6 | 32 | | 20 | and warm. |
| 29 | f | Michael arch. | 6 | 34 | Taur. | 5 | Rain-like. |
| 30 | g | Hierom | 6 | 36 | | 20 | Cloudy and cool. |

October hath xxxi days.

Last quarter the 5 day, 39 minutes before one morning.
 New moon the 13 day, 46 minutes past 4 in the morn.
 First quarter the 20 day, 58 min. past 8 at night.
 Full moon the 27 day, 58 min. past noon.

| | | | | | | |
|----|---|----------------|---|----|----------|----------------|
| 1 | a | Remigius | 6 | 39 | Gem. 5 | Obscure air. |
| 2 | b | Leodegar | 6 | 41 | 19 | Fair. |
| 3 | c | Marinian | 6 | 43 | Canc. 2 | △ ♂ ♀ Wet |
| 4 | d | Francis | 6 | 45 | 15 | and windy. |
| 5 | e | Placidus | 6 | 47 | 28 | Hail or sleet. |
| 6 | f | 17 after Trin. | 6 | 49 | Leo 10 | Great winds |
| 7 | g | Barcellus | 6 | 50 | 22 | and very cold |
| 8 | a | Delagta | 6 | 52 | Virg. 4 | storms the e |
| 9 | b | Dionysius | 6 | 54 | 16 | days. |
| 10 | c | Gedron | 6 | 56 | 28 | * ♀ ☾ |
| 11 | d | Barthred | 6 | 58 | Libra 9 | ♂ ☉ ♀ Wet |
| 12 | e | Colman | 7 | 0 | 21 | and windy. |
| 13 | f | Sun in Scorp. | 7 | 2 | Scorp. 3 | ♂ ♀ ☾ |
| 14 | g | Calixtus | 7 | 4 | 15 | △ ♂ ☾ 12 p. |
| 15 | a | Wedeolig | 7 | 6 | 28 | Cloudy and |
| 16 | b | Gallus | 7 | 8 | Sag. 10 | moist wea- |
| 17 | c | Florentinus | 7 | 10 | 23 | ther. |
| 18 | d | Luke Evang. | 7 | 12 | Capr. 6 | * ♀ ☾ |
| 19 | e | Stolomte | 7 | 14 | 19 | Wind * h ☾ |
| 20 | f | 19 after Trin. | 7 | 15 | Aqua. 2 | △ h ♂ |
| 21 | g | Ursula | 7 | 17 | 16 | Rainy windy |
| 22 | a | Copolla | 7 | 19 | Pisces 0 | weather often. |
| 23 | b | Term begins | 7 | 20 | 14 | Not very |
| 24 | c | Salom | 7 | 22 | 29 | cold. |
| 25 | d | Crispinus | 7 | 24 | Aries 14 | Milde. |
| 26 | e | Binandus | 7 | 25 | 29 | Pretty warm. |
| 27 | f | 20 after Trin. | 7 | 27 | Taur. 13 | ♂ ☉ ☾ |
| 28 | g | Simon & Jude | 7 | 29 | 28 | Winl. with |
| 29 | a | Marcellus | 7 | 30 | Gen. 13 | snow or cold |
| 30 | b | Chronicus | 7 | 32 | 27 | rain: or some |
| 31 | c | Wolfgang | 7 | 33 | Canc. 10 | hail. |

November hath xxx days.

Last quarter the 3 day, 3 min. past 5 at night.

New moon the 11 day, 13 min. past 10 at night.

First quarter the 19 day, 25 min. past 4 in the morning.

Full moon the 26 day, 28 minutes before one in the morn.

| | | | | | | | |
|----|---|----------------|---|----|-----------|---------------|-------------------|
| 1 | d | All Saints | 7 | 35 | Canc. 23 | Δ h C | Pretty |
| 2 | e | All Souls | 7 | 37 | Leo 6 | | milde. |
| 3 | f | 21 after Trin. | 7 | 39 | 19 | SS h ♀ | Missing. |
| 4 | g | Modestine | 7 | 40 | Virg. 1 | □ h C | & cloudy |
| 5 | a | Powder-plot. | 7 | 42 | 12 | moist Vc. ♂ ♀ | |
| 6 | b | Leonard | 7 | 44 | 24 | air. | |
| 7 | c | Florentius | 7 | 45 | Libr. 6 | | Cold with frost, |
| 8 | d | Claudius | 7 | 47 | 18 | | hail or snow. |
| 9 | e | Theopore | 7 | 49 | Scorp. 0 | | Fair and clear. |
| 10 | f | 22 after Trin. | 7 | 50 | 12 | Δ ○ ♂ | |
| 11 | g | Mart. pap. | 7 | 52 | 24 | | Snow-like or |
| 12 | a | Sun in Sag. | 7 | 54 | Sag. 7 | | flee. |
| 13 | b | Wlce | 7 | 55 | 20 | | Windy. ♂ ♀ C |
| 14 | c | Frederick | 7 | 57 | Capr. 3 | | Moist. ♂ ♀ C |
| 15 | d | Leopold | 7 | 58 | 16 | | |
| 16 | e | Othmar | 7 | 59 | 29 | * h C | |
| 17 | f | 23 after Trin | 8 | 0 | Aqua. 13 | | |
| 18 | g | Octab. Mart. | 8 | 1 | 26 | | Cold winter-like |
| 19 | a | Elizabeth | 8 | 2 | Pisces 10 | | windy weather. |
| 20 | b | Agapine | 8 | 3 | 24 | Δ h C | |
| 21 | c | Obl. Mar. | 8 | 4 | Aries 9 | Δ ○ C | |
| 22 | d | Cecilia | 8 | 5 | 23 | | Rain. □ ♂ C |
| 23 | e | Clemence | 8 | 6 | Taur. 8 | | Fair and good. |
| 24 | f | 24 after Trin. | 8 | 7 | 22 | | Showers, clouds & |
| 25 | g | Quind. Mar | 8 | 8 | Gem. 6 | | wind. * ♀ ♀. |
| 26 | a | Conradus | 8 | 9 | 21 | | |
| 27 | b | Agricola | 8 | 10 | Canc. 5 | Δ ♀ C | |
| 28 | c | Term ends | 8 | 11 | 18 | | |
| 29 | d | Saturnus | 8 | 12 | Leo 1 | | Mixed weather |
| 30 | e | Andrew Ap. | 8 | 13 | 14 | | and cold storms. |

December hath xxxi days.

Last quarter the 3 day, 21 min. past 2 after noon.
 New moon the 11 day, 20 min. past 2 after noon.
 First quarter the 18 day, 56 min. past 2 after noon.
 Full moon the 25 day, 5 min. past 2 after noon.

| | | | | | | | |
|----|---|-----------------|---|----|---------|----|-------------------|
| 1 | f | Advent fund. | 8 | 14 | Leo | 27 | Snow-like. |
| 2 | a | Candide | 8 | 14 | Virg. | 3 | Clear * ♃ ☾ |
| 3 | a | Cassian | 8 | 15 | | 21 | weather, as if it |
| 4 | b | Barbara | 8 | 15 | Libra | 2 | △ ♀ ☾ would |
| 5 | c | Sabine | 8 | 16 | | 14 | freez. |
| 6 | d | Nicholas | 8 | 16 | | 26 | Wind moistens. |
| 7 | e | Agathon | 8 | 16 | Scorp. | 8 | Fair and |
| 8 | f | 2 sun. in Adv. | 8 | 16 | | 20 | freezing. |
| 9 | g | Joachim | 8 | 17 | Sagitt. | 3 | Some snow. |
| 10 | a | Hiltheades | 8 | 17 | | 15 | ♂ 2 48 ☾ |
| 11 | b | Sun in Capric. | 8 | 17 | | 29 | Sleety cold |
| 12 | c | Epimachus | 8 | 17 | Capr. | 12 | windy storms |
| 13 | d | Lucy Virg. | 8 | 17 | | 26 | like to be, and |
| 14 | e | Nicholas | 8 | 17 | Aquar. | 9 | ☐ ♃ ☾ some |
| 15 | f | 3 fund. in Adv. | 8 | 17 | | 23 | * ♀ ☾ frost. |
| 16 | g | O Sapientia | 8 | 16 | Pisces | 7 | △ ♃ ☾ |
| 17 | a | Lazarus | 8 | 16 | | 21 | △ ♂ ☾ |
| 18 | b | Christopher | 8 | 16 | Aries | 5 | △ ♀ ☾ |
| 19 | c | Pemcius | 8 | 16 | | 19 | ☐ ♂ ☾ Cold |
| 20 | d | Jonon | 8 | 15 | Taur. | 3 | abated. |
| 21 | e | Thomas Apostl | 8 | 15 | | 19 | * ♂ ☾ |
| 22 | f | 4 fund. in Adv. | 8 | 14 | Gem. | 2 | Cloudy. |
| 23 | g | Victor virg. | 8 | 14 | | 15 | ♂ ♀ ☾ |
| 24 | a | Adam & Eve | 8 | 13 | | 29 | △ ♀ ☾ |
| 25 | b | Nativ. Dom. | 8 | 12 | Canc. | 13 | ♂ ☉ ☾ |
| 26 | c | S. Stephen | 8 | 11 | | 26 | ♂ ♂ ☾ |
| 27 | d | S. John Evang | 8 | 10 | Leo | 9 | Clear and |
| 28 | e | Innocents | 8 | 9 | | 22 | frosty. |
| 29 | f | 1 fund. a't Chr | 8 | 8 | Virg. | 4 | Cold rain or snow |
| 30 | g | David | 8 | 7 | | 17 | ♂ ☉ ♂ warmer |
| 31 | a | Elisabeth | 8 | 6 | | 28 | Some wind. |

SWALLOW.

The latter part of this
ALMANACK
for the yeare of our
LORD GOD
1661.

Being the first after Bissextile, or
Leap-year, and from the Conquest
of *England* by Duke *William*
of *Normandy* 595.

Wherein we have the nature of the seven Planets,
and twelve Signes :

With divers other things and notes well
worthy of observation, and not
unfit for such a work.

CAMBRIDGE:

Printed by *John Field*, Printer to the
Universitie. 1661.

Swallow 1661.

A most ready and plain Table to find
Easter day for ever, by the Golden
Number, and Sunday letter.

| GN. | A | B | C | D | E | F | G |
|-------|---------|---------|---------|---------|---------|---------|---------|
| i | Apr. 9 | apr. 10 | apr. 11 | apr. 12 | apr. 6 | apr. 17 | apr. 8 |
| ii | Mar. 26 | mar. 27 | mar. 28 | mar. 29 | mar. 30 | mar. 31 | apr. 1 |
| iii | Apr. 16 | apr. 17 | apr. 18 | apr. 19 | apr. 20 | apr. 14 | apr. 15 |
| liii | Apr. 9 | apr. 3 | apr. 4 | apr. 5 | apr. 6 | apr. 7 | apr. 8 |
| v | Mar. 26 | mar. 27 | mar. 28 | mar. 29 | mar. 23 | mar. 24 | mar. 25 |
| vi | Apr. 16 | apr. 17 | apr. 11 | apr. 12 | apr. 13 | apr. 14 | apr. 15 |
| vii | Apr. 2 | apr. 3 | apr. 4 | apr. 5 | apr. 6 | mar. 31 | apr. 1 |
| viii | Apr. 23 | apr. 24 | apr. 25 | apr. 19 | apr. 20 | apr. 21 | apr. 22 |
| ix | Apr. 9 | apr. 10 | apr. 11 | apr. 12 | apr. 13 | apr. 14 | apr. 8 |
| x | Apr. 2 | apr. 3 | mar. 28 | mar. 29 | mar. 30 | mar. 31 | apr. 1 |
| xi | Apr. 16 | apr. 17 | apr. 18 | apr. 19 | apr. 20 | apr. 21 | apr. 22 |
| xii | Apr. 9 | apr. 10 | apr. 11 | apr. 5 | apr. 6 | apr. 7 | apr. 8 |
| xiii | Mar. 26 | mar. 27 | mar. 28 | mar. 29 | mar. 30 | mar. 31 | mar. 25 |
| xiiii | Apr. 16 | apr. 17 | apr. 18 | apr. 19 | apr. 13 | apr. 14 | apr. 15 |
| xv | Apr. 2 | apr. 3 | apr. 4 | apr. 5 | apr. 6 | apr. 7 | apr. 8 |
| xvi | Mar. 26 | mar. 27 | mar. 28 | mar. 22 | mar. 23 | mar. 24 | mar. 25 |
| xvii | Apr. 16 | apr. 10 | apr. 11 | apr. 12 | apr. 13 | apr. 14 | apr. 15 |
| xvi | Apr. 2 | apr. 3 | apr. 4 | apr. 5 | mar. 30 | mar. 31 | apr. 1 |
| xix | Apr. 23 | apr. 24 | apr. 18 | apr. 19 | apr. 20 | apr. 21 | apr. 22 |

And take this for a general rule;

The same day 7 weeks { before } Easter, is { Shrove Sunday.
after } { Whitsunday.

A fortnight before { Shrove Sunday } is { Septuagesima.
Whitsunday } { Rogation Sunday.

And the Sunday after { Shrove Sunday } is { Quadragesima.
Whitsunday } { Trinitie Sunday.

Also, whensoever the Golden Number is 3, 6, 9, 12, 15,
or 18, then the Epact is the same. But

The Gol. Num. 1 | 2 | 4 | 5 | 7 | 8 | 10 | 11 | 13 | 14 | 16 | 17 | 19

The Epact is 11 | 12 | 14 | 25 | 17 | 28 | 20 | 1 | 23 | 4 | 26 | 7 | 29

A

A note concerning the falling of *Easter*.

Note, that when the *Golden number* is either 5, 13, or 16, and the *Dominical letter* G, that then *Easter day* falleth on the 25 of *March*, or our *Lady day*.

Note likewise that when the *Golden number* is 8, and the *Dominical letter* C, that then *Easter day* falleth on the 25 of *April*, or *Saint Marks day*.

Note likewise that *Easter* falleth between the 21 of *March*, and the 26 of *April*: but these two dayes are to be excluded; it never falleth on them, but between them.

The nature of the twelve Signes, and seven Planets.

Aries, *Leo* and *Sagittarius* are hot and dry signs.

Taurus, *Virgo*, and *Capricorn*, are cold & dry.

Cancer, *Scorpio*, and *Pisces*, are wet and cold.

Gemini, *Libra*, and *Aquarius*, are windy signs.

Northern signes are,

Aries, *Taurus*, *Gemini*, *Cancer*, *Leo*, *Virgo*.

Southern signes are these,

Libra, *Scorpio*, *Sagittarius*, *Capricorn*,

Aquarius, *Pisces*.

Saturn is cold and dry, intemperate.

Jupiter is hot and moist, temperate.

Mars is hot and drie, intemperate.

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The *Sun* is hot and drie temperate.

Venus is cold and moist, temperate.

Mercury is variable, according to the nature of that planet with which he is joyned or aspected

Luna the *Moon* is cold and moist, intemperate.

How the Sun cometh to be eclipsed.

AN eclipse of the Sun is nothing else, but the Interposition of the body of the Moon between the Sun and the Earth, or between the Sun and our sight.

How the Moon cometh to be eclipsed.

THe Sun never goeth from under the ecliptick line, but the Moon hath five degrees of latitude on either side of the ecliptick: at such full Moons then as the Moon shall be little or nothing in latitude, and under the ecliptick line, opposite to the Sun diametrally, then shall she be eclipsed, because then there will be an interposition of the Earths dark and grosse body between them, which will shadow the Suns light from the Moon, being of her self but of a dusky shining, without the Suns reflection on her.

There will be no eclipse this year seen in our Horizon.

Of

Of measures Geometricall.

THree barley corns in length make an inch, if they be taken out of the middle of the eare, and laid one at the end of another. But note, that this is not to be understood as if all barley corns of equall drinesse, and taken out of the middle of divers eares, were of equall length; for we see they both differ in regard of the soil, some bringing forth longer, some shorter corn. The meaning therefore is, that at the first institution of our measure, it was taken from a barley corn, but now it is rather to be taken from that Standerd which hath been continued, then to seek to make a new one.

In a foot of board or glasse is contained 144 square inches.

In a foot of timber be a great many more: for in a foot of timber be 1728 cubicall square inches: But of square quarters of inches 110592.

And note that the compass of the earth is 21600 miles.

But the thicknesse of the earth is no more then 6873 miles.

And as for the true measuring of board or glasse, see the following table. It is plain and easie, and good husbandry to regard and use it.

Breadth of the board, in length for or glass. a foot.

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The use of this Table.

| Inches. | inches. | parts. |
|------------|---------|--------|
| 1 | 144 | 0 |
| 2 | 72 | 0 |
| 3 | 48 | 0 |
| 4 | 36 | 0 |
| 4 & half. | 32 | 0 |
| 5 | 28 | 9 |
| 5 & half. | 26 | 2 |
| 6 | 24 | 0 |
| 6 & half. | 22 | 2 |
| 7 | 20 | 7 |
| 7 & half. | 19 | 2 |
| 8 | 18 | 0 |
| 8 & half. | 17 | 0 |
| 9 | 16 | 0 |
| 9 & half. | 15 | 2 |
| 10 | 14 | 5 |
| 10 & half. | 13 | 8 |
| 11 | 13 | 1 |
| 11 & half. | 12 | 6 |
| 12 | 12 | 0 |
| 12 & half. | 11 | 6 |
| 13 | 11 | 1 |
| 14 | 10 | 3 |
| 15 | 9 | 7 |
| 16 | 9 | 0 |
| 17 | 8 | 5 |
| 18 | 8 | 0 |
| 19 | 7 | 7 |
| 20 | 7 | 2 |
| 21 | 6 | 10 |
| 22 | 6 | 6 |
| 23 | 6 | 3 |
| 24 | 6 | 0 |

Finde the breadth of the board or glass on the side of the Table, under that title, and against the same you have the inches & parts of inches, that must be had in length for a foot.

Example.

Against five inches is 28 inches and nine parts of an inch : and note, that twelve of them parts are an inch; that is, 28 inches and three quarters in length make a foot, when the breadth is five inches.

Also, when the breadth is five inches and an half, then 26 inches and two parts are a foot. If six and an half in breadth, then 22 inches and two parts in length make a foot. But if six, then 24. And so the like of the rest.

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Of a Year.

IN all matters Legal, the year begins not with *Ius* untill the 25 day of *March*, so that the year which doth begin on the first of *January* is the Julian year, instituted by *Julius Cesar*. It hath in it 365 dayes and a quarter, 8766 houres, 525960 minutes.

Of a Day.

A day, in all Legal or Law matters, is accounted but from Sun to Sun: so that one, who hath a sum of money to pay on a set day by bond, need not tender his money before or after Sun. This kind of day is that which we call an artificial day; but a day natural is to be accounted from midnight to midnight, and so do they reckon the day for indictments of murder.

Of Matthias in the leap-year.

In every Leap-year, the 24 and 25 dayes of *February*, in suits at Law, are to be accounted both as one. But for keeping of Fairs, those which use to be on the 24 must be kept on the 25, because *Matthias* is not untill the 25 when it is Leap-year.

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Of the Prime.

The Moon is said to be primed when she is three dayes and eighteen hours old, being then in her half quarter and four parts of the compasse eastwards from the Sun.

*Of the four Cardinal winds, together
with their effects, in breeding or
bringing Sicknesse.*

THe East wind called *Subsolanus*, breedeth in cholerick bodies sharp feavers, raging madnesse, and perillous Apostumations: in winter it is ever cold, it bloweth seldome in the night, and this one thing is proper to it, if that it do chance to bring rain, it continueth a whole day together.

The South-wind called *Auster*, is of nature hot and moist: it breedeth corrupt humours, and in hot bodies cramps, giddinesse in the head, or the falling sicknesse, pestilence, and cruel Feavers.

The West-wind called *Favonius*, is of nature cold and moist; it breedeth phlegme in moist bodies; it procureth sleep, breedeth Apoplexies, and the like. In the spring it greatly refresheth all things, brings abroad the bloud, and the sound humours, which lay hid in winter, much refreshing the mind. Howbeit near
the

the end of Autumn, when winter beginneth to approach, it then grows churlish both on sea and land.

The North-wind called *Septentrio*, is of nature cold, and it is good against the Pestilence, and yet in cold bodies it breedeth plurisies, coughs, gouts, and in some squinances; yet of all winds it is held to be the wholesomest, although it be the sharpest in our winter moneths.

Note that what is spoken thus of their effects, is meant of their long standing in the said quarters.

Know also that a continual still Summer, is a signe of Plague or Earth-quake.

*Of Blood letting, and some other
Physicall Observations.*

IN youth, let blood from the change to the first quarter.

In middle age, from the first quart. to the full.

In elder years, from the full to the last quarter.

And in old age, from the last quarter to the change.

But know that under the age of 14, and above 56, it is not good to bleed at all.

Again in the *Canicular*, or *Dog-daies*, it is very hurtfull to take any physick, unlesse there
be

be great need : and indeed necessity hath no law ; wherefore in such a case, the disease being desperate, the cure must be adventured.

Take a purgation when the Moon is in *Trine* or *Sextile* aspect with *Venus*, decreasing in any of these three signes, *Cancer*, *Scorpio*, or *Pisces*, and it will be sure to work the better, because when a moist planet in a moist signe hath such an aspect, the humours in the body are then stirred up and down, and so the better purged out. Wherefore in this case it cannot be amiss to prepare humours by something or other which is laxative: and let this be while the Moon is either in *Gemini*, *Libra*, or *Aquarius*.

Take a vomit that it may work thoroughly, when the Moon is in *Aries*, *Taurus*, or *Capricorn*. And know that the aspects of the Moon in *Saturn* or *Mars*, or the Moon in *Leo*, ought to be eschewed, in the taking of medicines. Finally, if necessity urge no haste, these observations are expedient : for it is a plain truth, That the change of weather upon differing aspects, doth greatly change and alter our bodies.

Things good for the Eyes.

ALl green colours, cold water, fennel, the water of white roses distilled, celendine, eye bright, vervine, agrimony, cloves ; and for hot eyes the juice of Houf-leek, softly boiled in the shell of a new-laid egg; till it be clean scummed, is very good.

Things

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Things ill for the Eyes.

TO look much at red colours, or at fire; to read soon after supper, to eat garlick, onions, radish-roots, salt-meats, coleworts, and pulse; as also to drink wine that is both thick and sweet; smoke likewise and dust be very bad, and to anoint the eyes with Bats-bloud, will clean put them out: according to the old Proverb, *The bloud of a Bat will make a man see as well by night, as by day*: which may well be in him that cannot see at all.

Things good for the Brain.

TO smell to camomil, musk, or red-roses, to wash the temples often with rose-water, to eat sage measurably, to drink wine not overmuch, to keep the body warm, to wash the hands often, to walk and sleep measurably, to eat mustard and pepper, and not to be troubled with too much noise.

Things ill for the Brain.

Late suppers, much sleep after meat, anger, to smell to a white rose, garlick, onions, much milk and cheese, to stand long against your use bare-headed, to eat hastily and overmuch, to eat too liberally on any kinde of brains, much sweat in labour or travell, and a besotted practise, or daily course of drinking.

Other

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Other notes fit to be known.

NOte that sixty minutes make an hour. Forty five minutes make three quarters of an hour. Thirty minutes make half an hour, Fifteen minutes make a quarter of an hour. Twelve inches make a foot. Three feet, or 36 inches make a yard. Three feet nine inches, or 45 inches make an ell. Sixteen feet six inches make one pole or rod to measure land withall. Forty poles make one Furlong. Eight Furlongs make one mile. Five foot make a pace: 1000 such paces make an *Italian* mile, which is shorter by 280 foot then the *English* mile.

Observations for Husbandmen,
and others.

IN *January* take away superfluous branches from fruit-trees, and prepare your ground for gardens, uncover tree-roots, cut your vines in some of the twelve dayes.

Set quick-sets, rose, and sallets in the moneth of *Februarie*. And now cover up the roots of your trees with good earth, which you opened in the beginning of *January*.

In *March* you may graft; but in planting and grafting chuse a warm time; wherefore let not the wind be in the *East* or *North*, because such winds are commonly nipping, especially being helped by any aspect of the Moon, with *Saturn*

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or *Venus*, in cold signes; as *Virgo*, *Capricorn*,
Taurus, *Scorpio*, *Pisces*, or *Cancer*.

In the end of *April*, or beginning of *May*,
set and sow tender herbs and seeds in your gar-
dens, in a good temperature of aire.

If you mean to preserve flowers or seeds, ga-
ther them in a full moon; let the sun shine first
upon them, and they will keep the better. But
let them not be dried in the sun, lest the sun
draw away part of their virtue.

Remove young trees either in the end of
October, *November*, or *February*, the moon in-
creasing; and be sure to set that side south
which was south before; because it cannot en-
dure the cold north.

Shear sheep the moon increasing, and their
fleeces will grow the better again. The like ob-
serve for cutting of hair, the moon in *Taurus*,
Scorpio, or *Libra*.

Geld cattell the moon in *Aries*, *Sagittarius*,
Capricorn, being in her last quarter.

Gather all fruits that you mean to keep, in
a dry time when the moon is at the full.

Sow all such seeds as have round roots (as
onions, leeks, turneps, &c.) either three or
four dayes before the full, or three or four
dayes after the full.

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Of many and sundry Fairs in *England*, as they have heretofore been set forth by others, and are now continued for the common good.

January.

The 5 day at Hickerford in Lancashire : the 6 day at Salisbury: the Thursday after at Banbury: the 25 at Gravesend, Bristol, Churchingford, Northallerton in Yorksh. every Wednesday from Christmas untill June.

February.

The first day at Bromly in Lancashire : the 2 day at Reading in Berksh. Maidstone, Bicklefworth, Becklesfield, Bath, Lin, Bugworth: the 3 day at Brogrove: on Valentines day at Owndle in Northamptonshire, Feversham: the 24 day at Henly upon Thames, Baldock: on Ashwednesday at Royston, Dunstable, Eaton, Tamworth, Tunbridge, Lichfield, Exceter, Ciceter: the first Thursday in Lent at Banbury.

March.

The 3 day at Bromwel-braks in Norfolk: the 4 at Bedford: the 12 at Alsome in Norfolk, Sudbury, Woburn: the 13 at Wye, Bodwin in Cornwall: the 20 at Durham: the Munday before our Lady day at Kendal: Wisbich: the 25 day at Huntington, Northampton: Malden, Ashwel in Hartfordshire, Newcastle: Mid-lem at Saffron-walden in Essex: Goodfriday at Norwich: Palm Sunday-eve at Wisbich, Worcester, Pomfret.

April.

Easter-munday at Oney in Bedfordsh. Gainsborough: Easter-tuesday at Daintry in Northamptonsh. Godmonchester

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chester, Schole in Norfolk, S. Edmonds-bury: on Wednesday at Wellingborough in Northamptonsh. on Friday in the same week at Darby: on Saturday at Bicklefworth: the 2 at Hitchen, Rochford, Northfleet: the 7 at Darby: the 9 at Billingsworth, Bicklefworth: the 22 at Stabford: the 23 at Ipswich, Harbin in Norfolk, Northampton, Sapfar in Hartfordsh. Charing, Hinningham, Tamworth, Bury in Lancashire, S. Pombs in Cornwall: the 27 at Dunmow in Essex, Oskham in Rutlandshire, Buckingham, Darby: the 29 at Tenderden in Kent, Cleet: the 30 at Beverly a week together.

May.

The first day at Haveril in Essex, Layton-buzzard in Huntingtongsh. Rippon in Yorksh. Reading, Maidstone, Tuxford in the clay: the 3 at Elstow in Bedfordsh. Non-ton in Warwicksh. Thedford in Norfolk, Chelmsford in Essex, Waltham-Abby, Hinningham, Rochdale, Bramyard: the 7 at Newton in Lancashire, Beverly, Oxford: the 10 at Rochester, Dunstable, Magfield in Suffolk: on Rogation-munday at Reach: on Ascension-day at Thaxted, Beverly, Rippon, Sudminster, Bishop-stratford, S. Eedes, Wickham in Lancashire, Middlewich in Chesh. Chappel-frich in Darbyshire, on Whitsun-even at Skipton in Craven: on Whitsun-munday at S. Ives, Rygate in Surrey, Bicklefworth, Bradford, Ag nunsham in Buckinghamsh. on Whitsun-tuesday at Newmarket: on Wednesday at Royston: on Thursday at Odehill in Northamptonshire: the 26 day at Lenham: the 29 at Crainbrook.

June.

On Trinity-eve at Rowel, Kendal: on Corpus Christi at Banbury, Bishops-stratford, S. Eedes, Coventry, Newbury: the 9 at Maidstone: the 11 at Breme in Norfolk, Bardfield in Essex: the 17 at Hadstock: the 23 at S. Albans,

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bans, Deerham in Norfolk, Shrewsbury: the 24 at Halsion in Suffolk, Barnwell beside Cambridge, Bedford, Colchester, Rumford, Reading, Windsor, Halifax, Hartford, Beverly, Haselinden: the 26 at Bristol, Darby: the 27 at Burton on Trent, Follstone: the 28 at S. Pombs in Cornwall: the 29 at Peterborough, Ashwell, Sudbury, Stebbing in Essex, Benington in Hardfordshire.

July.

The 1, 2, and 3 dayes at Congelston in Chesh: the 7 at Royston, Burntwood: the Munday after at Fodringham: the 11 at Partney for horses: the 20 at Uxbridge, Coolidge, Woodstock, Barkway: the 22 at Ickleton, Bickleworth, Norwich, Colchester: the 25 at Audley-end beside Walden, Reading.

August.

The first day at Bedford, S. Eedes, Dunstable, Feversham, Wisbich, Bickleworth, Stonistraford: the 10 at Blackamore, Harply in Norfolk, Thaxted in Essex, St. Ives, Bedford, Banbury, Farnham, Brainford: the 15 at Cambridge, Huntington, Dunmow, Luton, Northampton: the 24 at London, Sudbury, Norwich, Oxford, Northalerton, Dover, Beggars-bush, Burton: the 29 at Halsion in Suffolk, Harlow-bush in Essex, Watford.

September.

The first day at S. Giles in the bush. on Thursday and Friday next before the 8 day, at Sandbach in Chesh. the 7, 8, 9, and 10 dayes at Woodbury-hill in Dorsetsh. the 7 at Ware: the 8 at Huntington, Bury in Lancash. Partney, Wakefield, Northampton, and Sturbridge fair belonging to Cambridge begins: the 14 at Rippon for horses, Waltham-Abbey, Chesterfield in Darbshire, Richmond: the 21 day at Marleborough, Bedford, Baldock, Edmondsbury, Holden in Holderness, Braintry, Bracklymaiden.

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lymaiden, Malden: the 29 at S. Ives, Basingstoke, Market-deeping, Shelford in Bedfordshire, Bishopstratford, Malden for horses, Stow in Lincolnshire; Thursday after at Banbury.

October.

The second at Salisbury: the 6 at Havent in Hampsh. Maidston, Coolidge, Gayworth by Lin, S. Faiths: the 8 at Bishopstratford, Harborough: the 9 at Gainsborough in Lincolnshire: the 13 at Windsor, Colchester, Gravelend: the 18 day at Ely, Bishopshatfield, Barner, Banbury, Thirst, Burton on Trent: the 21 day at Saffron-Walden: the 23 at Bickleworth: the 28 at Newmarket, Dis in Norfolk, Wakefield, Richdale in Lancashire.

November.

The first day at Chelmsford: the 2 at Epping, Kingstone on Thames, Padamhasson in Suffolk: the 6 day at Newport-pond, Bedford, Hartford: the 11 at Ludden in Norfolk, Lenton in Nottinghamshire, Hempton in Norfolk, Fockingham in Lincolnshire, Bridgstock in Northamptonsh. Marleborough: the 17 at Spalding in Lincolnshire, Harlow, Lincoln, Hide, Northampton: the 19 at Horsham in Kent: the 20 at S. Edmondsbury, Iggertstone in Essex, Heath: the 23 at Sandwich: the 30 at Baldoc, Bareford, Kolingborough, Maidenhead, Warrington, Rochester.

December.

The 5 at Pluckly: the 6 at S. Eedes, Woodstock, Spalding, Norwich in Cheshire, at Exeter, Senock in Kent, Arundell, Grantham: the 7 at Sandhurst: the 8 at Northampton, Clitheral in Lancashire, Huntington, Malpas in Cheshire: the 29 at Canterbury, Salisbury.

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A Table of the Longitude and Latitude of some notable Cities and Towns in England, Scotland, and Wales.

| | Longitude. | | Latitude. | |
|------------------|------------|------|-----------|------|
| | Degr. | min. | Degr. | min. |
| Barwick | 22 | 37 | 55 | 33 |
| Bristol | 21 | 43 | 52 | 52 |
| Caermarthen | 20 | 8 | 52 | 41 |
| Carnarvan | 20 | 8 | 53 | 15 |
| Chester | 21 | 40 | 53 | 32 |
| Chichester | 23 | 37 | 50 | 51 |
| Colchester | 25 | 25 | 52 | 0 |
| Coventry | 22 | 45 | 52 | 42 |
| Cockermouth | 21 | 26 | 55 | 7 |
| Cambridge | 24 | 25 | 52 | 15 |
| St. Davids | 19 | 13 | 52 | 19 |
| Dover | 25 | 44 | 51 | 10 |
| St. Edmonds-bury | 24 | 37 | 52 | 27 |
| Edenborough | 23 | 50 | 56 | 15 |
| Exeter | 21 | 42 | 50 | 50 |
| Flamborough | 26 | 10 | 54 | 10 |
| Gloucester | 22 | 11 | 52 | 10 |
| Hereford | 25 | 43 | 52 | 22 |
| Lancaster | 21 | 55 | 54 | 22 |
| L O N D O N | 24 | 20 | 51 | 32 |
| Ludlow | 21 | 46 | 52 | 43 |
| Lyzard point | 19 | 25 | 50 | 10 |
| Manchester | 22 | 0 | 53 | 42 |
| Norwich | 25 | 36 | 52 | 45 |
| Oxford | 23 | 26 | 51 | 47 |
| Peterborough | 24 | 0 | 52 | 40 |
| Quinborough | 25 | 10 | 51 | 32 |
| Rye | 25 | 10 | 51 | 0 |
| Shrewsbury | 21 | 47 | 53 | 0 |
| South-hampton | 22 | 58 | 50 | 10 |
| Tinmouth | 24 | 20 | 55 | 10 |
| Wallingham | 25 | 13 | 52 | 54 |
| Worcester | 23 | 12 | 52 | 30 |
| Yarmouth | 16 | 0 | 52 | 46 |
| York | 23 | 30 | 54 | 30 |

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Here followeth the time of Sun-setting, and length of the day, in our latitude of Cambridge.

January.

| Days | The sun setteth. | | Length of the day. | |
|------|------------------|---|--------------------|---------|
| 1 | 54 | 3 | 7 hou. 48 | minutes |
| 3 | 57 | 3 | 7 hou. 54 | |
| 5 | 59 | 3 | 7 hou. 49 | |
| 7 | 1 | 4 | 8 hou. 8 | |
| 9 | 4 | 4 | 8 hou. 8 | |
| 11 | 6 | 4 | 8 hou. 12 | |
| 13 | 9 | 4 | 8 hou. 18 | |
| 15 | 13 | 4 | 8 hou. 26 | |
| 17 | 16 | 4 | 8 hou. 32 | |
| 19 | 20 | 4 | 8 hou. 40 | |
| 21 | 24 | 4 | 8 hou. 48 | minutes |
| 23 | 27 | 4 | 8 hou. 54 | |
| 25 | 31 | 4 | 9 hou. 2 | |
| 27 | 39 | 4 | 9 hou. 12 | |
| 29 | 40 | 4 | 9 hou. 20 | |

February.

| Days | The sun setteth. | | Length of the day. | |
|------|------------------|---|--------------------|---------|
| 1 | 45 | 4 | 9 hou. 30 | minutes |
| 3 | 49 | 4 | 9 hou. 38 | |
| 5 | 52 | 4 | 9 hou. 44 | |
| 7 | 56 | 4 | 9 hou. 52 | |
| 9 | at 5 | | 10 ho. just | |
| 11 | 4 | 5 | 10 hou. 8 | |
| 13 | 8 | 5 | 10 hou. 16 | |
| 15 | 12 | 5 | 10 hou. 24 | |
| 17 | 16 | 5 | 10 hou. 32 | |
| 19 | 20 | 5 | 10 hou. 40 | |
| 21 | 24 | 5 | 10 hou. 48 | minutes |
| 23 | 28 | 5 | 10 hou. 56 | |
| 25 | 32 | 5 | 11 hou. 4 | |
| 27 | 37 | 5 | 11 hou. 14 | |

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March.

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March.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|--------------------|
| 1 | 40 | 5 | 11 hou. 20 |
| 3 | 44 | 5 | 11 hou. 28 |
| 5 | 48 | 5 | 11 hou. 36 |
| 7 | 53 | 5 | 11 hou. 46 |
| 9 | 57 | 5 | 11 hou. 54 |
| 11 | 2 | 6 | 12 hou. 4 |
| 13 | 6 | 6 | 12 hou. 12 |
| 15 | 10 | 6 | 12 hou. 20 |
| 17 | 14 | 6 | 12 hou. 28 |
| 19 | 18 | 6 | 12 hou. 36 |
| 21 | 22 | 6 | 12 hou. 44 |
| 23 | 26 | 6 | 12 hou. 52 |
| 25 | 30 | 6 | 13 ho. just |
| 27 | 34 | 6 | 13 hou. 10 |
| 29 | 36 | 6 | 13 hou. 18 |

April.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|--------------------|
| 1 | 43 | 6 | 13 hou. 26 |
| 3 | 46 | 6 | 13 hou. 32 |
| 5 | 50 | 6 | 13 hou. 40 |
| 7 | 54 | 6 | 13 hou. 48 |
| 9 | 58 | 6 | 13 hou. 56 |
| 11 | 1 | 7 | 14 hou. 2 |
| 13 | 5 | 7 | 14 hou. 10 |
| 15 | 9 | 7 | 14 hou. 18 |
| 17 | 12 | 7 | 14 hou. 24 |
| 19 | 16 | 7 | 14 hou. 32 |
| 21 | 19 | 7 | 14 hou. 38 |
| 23 | 23 | 7 | 14 hou. 46 |
| 25 | 27 | 7 | 14 hou. 54 |
| 27 | 31 | 7 | 15 hou. 2 |
| 29 | 35 | 7 | 15 hou. 10 |

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May.

Dayes The sun setteth, Length of the day.

| | | | | |
|----|------|---|-------------|---------|
| 1 | 39 | 7 | 15 hou. 18 | |
| 3 | 42 | 7 | 15 hou. 24 | |
| 5 | 44 | 7 | 15 hou. 28 | |
| 7 | 47 | 7 | 15 hou. 34 | |
| 9 | 50 | 7 | 15 hou. 40 | |
| 11 | 52 | 7 | 15 hou. 44 | |
| 13 | 55 | 7 | 15 hou. 50 | |
| 15 | 57 | 7 | 15 hou. 54 | minutes |
| 17 | at 8 | | 16 ho. just | |
| 19 | 2 | 8 | 16 hou. 4 | |
| 21 | 5 | 8 | 16 hou. 10 | |
| 23 | 7 | 8 | 16 hou. 14 | |
| 25 | 9 | 8 | 16 hou. 18 | |
| 27 | 11 | 8 | 16 hou. 24 | |
| 29 | 13 | 8 | 16 hou. 26 | |

June.

Dayes The sun setteth, Length of the day.

| | | | | |
|----|----|---|-------------|---------|
| 1 | 14 | 8 | 16 hou. 28 | |
| 3 | 15 | 8 | 16 hou. 30 | |
| 5 | 16 | 8 | 16 hou. 31 | |
| 7 | 17 | 8 | 16 hou. 33 | |
| 9 | 17 | 8 | 16 hou. 34 | |
| 11 | 17 | 8 | longest day | |
| 13 | 17 | 8 | 16 hou. 34 | |
| 15 | 16 | 8 | 16 hou. 32 | minutes |
| 17 | 16 | 8 | 16 hou. 31 | |
| 19 | 15 | 8 | 16 hou. 30 | |
| 21 | 14 | 8 | 16 hou. 28 | |
| 23 | 13 | 8 | 16 hou. 26 | |
| 25 | 12 | 8 | 16 hou. 24 | |
| 27 | 10 | 8 | 16 hou. 20 | |
| 29 | 9 | 8 | 16 hou. 18 | |

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July.

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July.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|--------------------|
| 1 | 8 | 8 | 16 hou. 16 |
| 3 | 6 | 8 | 16 hou. 12 |
| 5 | 4 | 8 | 16 hou. 8 |
| 7 | 1 | 8 | 16 hou. 2 |
| 9 | 59 | 7 | 15 hou. 58 |
| 11 | 56 | 7 | 15 hou. 52 |
| 13 | 54 | 7 | 15 hou. 48 |
| 15 | 52 | 7 | 15 hou. 44 |
| 17 | 49 | 7 | 15 hou. 38 |
| 19 | 46 | 7 | 15 hou. 32 |
| 21 | 43 | 7 | 15 hou. 26 |
| 23 | 40 | 7 | 15 hou. 20 |
| 25 | 36 | 7 | 15 hou. 12 |
| 27 | 33 | 7 | 15 hou. 6 |
| 29 | 30 | 7 | 15 ho. just |

2 NO 61 August.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|--------------------|
| 1 | 24 | 7 | 14 hou. 48 |
| 3 | 20 | 7 | 14 hou. 40 |
| 5 | 16 | 7 | 14 hou. 32 |
| 7 | 12 | 7 | 14 hou. 24 |
| 9 | 9 | 7 | 14 hou. 18 |
| 11 | 5 | 7 | 14 hou. 10 |
| 13 | 1 | 7 | 14 hou. 2 |
| 15 | 58 | 6 | 13 hou. 56 |
| 17 | 54 | 6 | 13 hou. 48 |
| 19 | 50 | 6 | 13 hou. 40 |
| 21 | 46 | 6 | 13 hou. 32 |
| 23 | 42 | 6 | 13 hou. 24 |
| 25 | 38 | 6 | 13 hou. 16 |
| 27 | 34 | 6 | 13 hou. 8 |
| 29 | 30 | 6 | 13 ho. just |

September.

Swallow 1661.

September.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|--------------------|
| 1 | 24 | 6 | 12 hou. 48 |
| 3 | 20 | 6 | 12 hou. 40 |
| 5 | 16 | 6 | 12 hou. 32 |
| 7 | 12 | 6 | 12 hou. 24 |
| 9 | 8 | 6 | 12 hou. 16 |
| 11 | 4 | 6 | 12 hou. 8 |
| 13 | just at 6 | 6 | 12 hou. just |
| 15 | 56 | 5 | 11 hou. 52 |
| 17 | 52 | 5 | 11 hou. 44 |
| 19 | 48 | 5 | 11 hou. 36 |
| 21 | 44 | 5 | 11 hou. 28 |
| 23 | 40 | 5 | 11 hou. 20 |
| 25 | 36 | 5 | 11 hou. 12 |
| 27 | 32 | 5 | 11 hou. 4 |
| 29 | 28 | 5 | 10 hou. 56 |

October.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|--------------------|
| 1 | 24 | 5 | 10 hou. 48 |
| 3 | 20 | 5 | 10 hou. 40 |
| 5 | 16 | 5 | 10 hou. 32 |
| 7 | 12 | 5 | 10 hou. 24 |
| 9 | 8 | 5 | 10 hou. 16 |
| 11 | 4 | 5 | 10 hou. 7 |
| 13 | just at 5. | 5 | 10 hou. just |
| 15 | 56 | 4 | 9 hou. 52 |
| 17 | 52 | 4 | 9 hou. 44 |
| 19 | 49 | 4 | 9 hou. 38 |
| 21 | 45 | 4 | 9 hou. 30 |
| 23 | 41 | 4 | 9 hou. 22 |
| 25 | 38 | 4 | 9 hou. 16 |
| 27 | 34 | 4 | 9 hou. 8 |
| 29 | 30 | 4 | 9 hou. just |

November

Swallow 1661.

November.

| Dayes | The sun setteth. | Length of the day. |
|-------|------------------|--------------------|
| 1 | 25 | 8 hou. 50 |
| 3 | 22 | 8 hou. 44 |
| 5 | 18 | 8 hou. 36 |
| 7 | 14 | 8 hou. 28 |
| 9 | 11 | 8 hou. 22 |
| 11 | 8 | 8 hou. 16 |
| 13 | 5 | 8 hou. 10 |
| 15 | 3 | 8 hou. 6 |
| 17 | 1 | 8 hou. 2 |
| 19 | 58 | 7 hou. 56 |
| 21 | 56 | 7 hou. 52 |
| 23 | 54 | 7 hou. 48 |
| 25 | 52 | 7 hou. 44 |
| 27 | 51 | 7 hou. 42 |
| 29 | 49 | 7 hou. 38 |

December.

| Dayes | The sun setteth. | Length of the day. |
|-------|------------------|--------------------|
| 1 | 48 | 7 hou. 36 |
| 3 | 44 | 7 hou. 34 |
| 5 | 44 | 7 hou. 31 |
| 7 | 45 | 7 hou. 30 |
| 9 | 44 | 7 hou. 28 |
| 11 | 43 | 7 hou. 26 |
| 13 | 43 | 7 hou. 26 |
| 15 | 44 | 7 hou. 28 |
| 17 | 45 | 7 hou. 30 |
| 19 | 46 | 7 hou. 32 |
| 21 | 47 | 7 hou. 34 |
| 23 | 48 | 7 hou. 36 |
| 25 | 49 | 7 hou. 38 |
| 27 | 50 | 7 hou. 40 |

Note that as many minutes as the sun sets after 3 4 5 6 7
So many minutes it riseth before 9 8 7 6 5

FINIS.

